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[CLAIMS]

[Claim 1]

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A melanin biosynthesis inhibitor containing terrein compound represented by the following formula 1 as an effective ingredient.

<Formula 1>

10 [Claim 2]

The melanin biosynthesis inhibitor as set forth in claim 1, wherein the melanin biosynthesis inhibitor is used as a skin trouble treating agent.

15 [Claim 3]

The melanin biosynthesis inhibitor as set forth in claim 1, wherein the melanin biosynthesis inhibitor is used as a skin whitening agent.

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[Claim 4]

The melanin biosynthesis inhibitor as set forth in claim 1, wherein the melanin biosynthesis inhibitor is used as a browning inhibitor.

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[Claim 5]

A preparation method for terrein compound comprising the following steps:

Culturing *Penicillium* sp strain KCTC 26245 (step 10 1);

Obtaining the strain or its culture fluid from the above step 1 (step 2);

Obtaining ethyl acetate extract from the above strain or the culture fluid (step 3); and

Obtaining terrein compound of claim 1 by column chromatography with the ethyl acetate extract (step 4).

[Claim 6]

The preparation method as set forth in claim 5, wherein the step 4 comprises the following two substeps:

Obtaining fractions by separating ethyl acetate extract prepared in step 3 through silica gel column

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chromatography using a mixed solvent of $CHCl_3$ and methanol as a moving phase (step 4-1); and

Obtaining terrein compound of the present invention by separating the fractions through sephadex-LH20 column chromatography using methanol as a moving phase (step 4-2).

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